



(19)

Generated Document.

(11) Publication number: **58080562 A****PATENT ABSTRACTS OF JAPAN**(21) Application number: **56178317**(51) Intl. Cl.: **G01R 19/165**(22) Application date: **09.11.81**

(30) Priority:

(43) Date of application  
publication: **14.05.83**(84) Designated contracting  
states:(71) Applicant: **HITACHI LTD**(72) Inventor: **YOKOOOJI SHIGENORI**

(74) Representative:

**(54) OVERVOLTAGE  
DETECTING CIRCUIT**

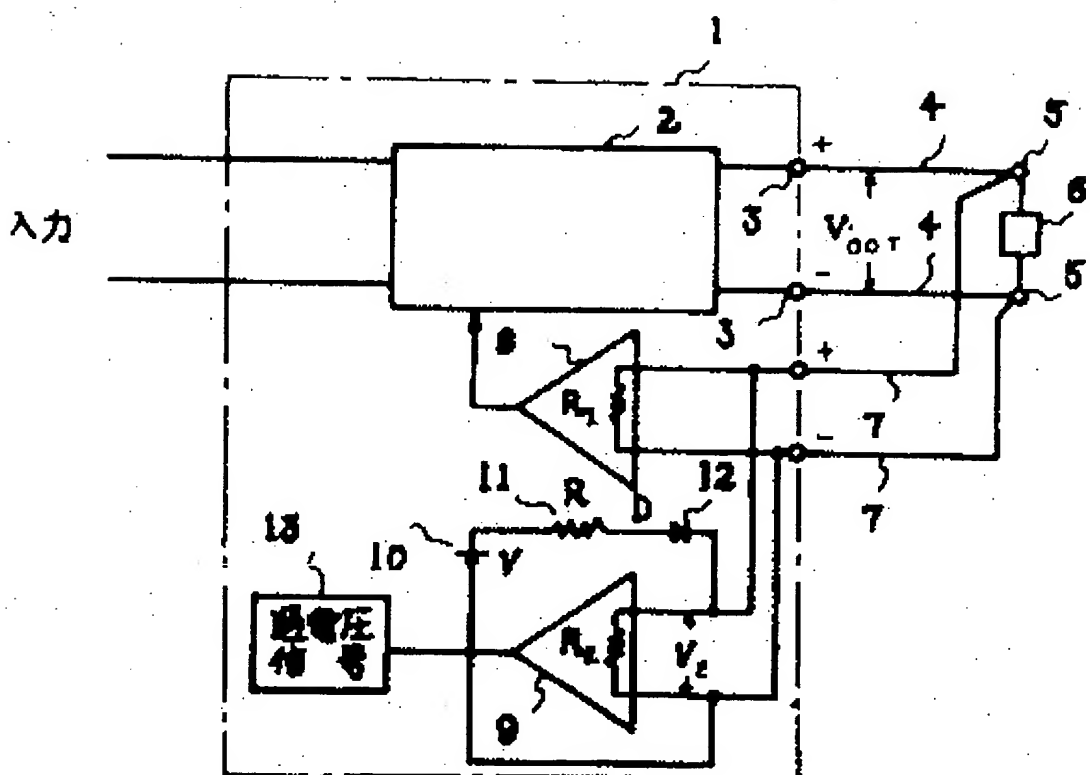
(57) Abstract:

**PURPOSE:** To protect a load even if remote sensing lines are disconnected by applying voltage higher than an overcurrent detected value and other than a DC source output to the input of an overvoltage detecting circuit for said DC source output through resistors.

**CONSTITUTION:** A line 4

connects between the output terminals 3 of a DC source 1 and load ends 5 to supply electric power to a load 6. An output is sent from the load ends 5 to an error detecting circuit 8 and an overvoltage detecting circuit 9 through remote sensing lines 7 and the output of the circuit is supplied to a DC amplifier circuit 2 to control the voltage of the load ends 5 to a prescribed value. Voltage higher than the overvoltage detected value is previously applied from a constant voltage source 10 to the input of the circuit 9 through a resistor (R) 11 and a diode (D) 12. In this case the input voltage of the circuit 8, 9 depends upon the voltage of the load ends 5 when the lines 7 are connected to load ends 5, and when disconnected, said input voltage depends upon the voltage of the power source 10 through the R11 and D12 to stop power supply through an overvoltage signal 13.

COPYRIGHT: (C)1983, JPO&Japio





**This Page is Inserted by IFW Indexing and Scanning  
Operations and is not part of the Official Record**

**BEST AVAILABLE IMAGES**

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- ☐ **BLACK BORDERS**
- ☐ **IMAGE CUT OFF AT TOP, BOTTOM OR SIDES**
- ☐ **FADED TEXT OR DRAWING**
- ☐ **BLURRED OR ILLEGIBLE TEXT OR DRAWING**
- ☐ **SKEWED/SLANTED IMAGES**
- ☐ **COLOR OR BLACK AND WHITE PHOTOGRAPHS**
- ☐ **GRAY SCALE DOCUMENTS**
- ☐ **LINES OR MARKS ON ORIGINAL DOCUMENT**
- ☐ **REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY**
- ☐ **OTHER:** \_\_\_\_\_

**IMAGES ARE BEST AVAILABLE COPY.**

**As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.**